

Application No. 10/695,467

IN THE ABSTRACT:

Please replace the original Abstract with the substitute Abstract submitted on separate page filed herewith.

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ABSTRACT OF THE DISCLOSURE

A Virtual Access Core (VAC) manages and controls access to virtual machines. A Virtual Instruction Routine (VIR) protocol is used by all components of the system to pass instructions and information about a Virtual Session. The VAC issues commands in the VIR protocol language causing virtual machines to start and stop. A VIR host that hosts virtual machines responds to VAC commands. Web clients access the system via links, which a web server uses to send access requests to the VAC. The VAC responds by searching through process memory and database tables for information about free slots on a plurality of VIR hosts grouped into a Host Array. When one or more free slots have been identified, the VAC issues VIR Protocol commands instruction one or more VIR Hosts to load and start specific virtual machines in Specific Slots.